

LISTING OF CLAIMS

Claims 1-43 (cancelled).

Claim 44 (new): In a fuel cell anode structure comprising a substrate capable of functioning as a gas diffusion layer, said anode structure further comprising a first carbon-based component comprising a first carbon material, and a second carbon component wherein the second carbon component acts as a support for an electrocatalyst material, said second carbon component being substantially more resistant to corrosion during cell reversal at fuel cell operating temperatures than first carbon-based component, the improvement comprising:

said first carbon-based component having substantially no resistance to corrosion during cell reversal at fuel cell operating temperatures and said first carbon material having a BET surface area of at least $350 \text{ m}^2\text{g}^{-1}$, wherein said first carbon-based component and said second carbon component are mixed and disposed on said gas diffusion layer.